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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/708,505	03/09/2004	Chun-Yao CHEN	OTMP0073USA	2504
27765	7590	11/21/2005	EXAMINER	
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION			SEVER, ANDREW T	
P.O. BOX 506			ART UNIT	PAPER NUMBER
MERRIFIELD, VA 22116			2851	

DATE MAILED: 11/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/708,505	Applicant(s) CHEN ET AL.	
	Examiner Andrew T. Sever	Art Unit 2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-7 and 13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3-7 and 13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/13/2005 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim1 are rejected under 35 U.S.C. 102(b) as being anticipated by Mihara (US 6,558,003.)

Mihara teaches in figure 1 a projection display device, comprising:

A casing (1 and 16) having an air inlet (9 and 10) and an air outlet (18);

A lamp (2) installed in said casing;

An optical engine (4-6), installed in said casing; and

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A lamp cooling apparatus, installed in said casing, the lamp cooling apparatus comprising a fan (11) and a recess (17) formed on a bottom of the casing, said fan being installed between said lamp and said recess, said fan being not inside said recess, said air inlet (10) being not directly below said recess.

With regards to applicant's claim 3:

10 and 18 are clearly on opposite sides of the casing.

With regards to applicant's claim 4:

The reflector pointed at by the unlabeled arrow can be considered a cover, there is enough space that at least some convection would occur between the lamp (2) and said cover.

With regards to applicant's claim 5:

Air inlet 10 is disposed at the front side of the lamp while air outlet 18 is disposed towards the back of the lamp, since top and bottom are relative terms these inlets and outlets meet applicant's claim limitations.

With regards to applicant's claim 6:

Fan 8 is installed at the air inlet.

With regards to applicant's claim 7:

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Several parts are shown that can be considered diversion plates; the grating at 12 a the baffles near the screws (20) and other parts.

With regards to applicant's claim 13:

Mihara teaches in figure 1 a projection display device, comprising:

A casing (1 and 16) having an air inlet (10) and an air outlet (18), said air inlet and said air outlet being respectively disposed on sides of said casing (front and back sides);

A lamp (2);

An optical engine (4-6), installed in said casing; and

A lamp cooling apparatus (system of fans and inlet and outlets), installed in said casing, comprising a fan (11); wherein said air inlet (10) is not disposed directly above or below said fan. (Although fan 8 is disposed directly above the air inlet, fan 11 is not, which meets applicant's claim language of a projection display device comprising: and air inlet not disposed directly above or below a fan.)

Response to Arguments

4. Applicant's arguments with respect to claim 1, 3-7, and 13 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US 6,746,125 to Nakano et al. teaches in figure 6 a projector meeting some of applicant's claims.

US 6,808,273 to Morinaga teaches in figure 3 a projector meeting some of applicant's claims.

US 2004/0125343 to Hara et al. teaches in figure 11 a projector that meets at least some of applicant's claims.

JP 2003-735990 to Sanyo teaches in figure 1 a lamp casing with fans and inlets.

JP 2001142147 A to Sanyo teaches in figure 1 a projector with a baffle system.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew T. Sever whose telephone number is 571-272-2128. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on 571-272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AS

A handwritten signature in black ink, appearing to read "W B Perkey", with a stylized flourish at the end.

William Perkey
Primary Examiner